

# ICx Radiation

Short company overview

Enlight Meeting, 2008-09-02 CERN

NEW THREATS. NEW THINKING.

# A short overview



- ICx Radiation

In 2006, former target system electronic became part of the ICx family  
65 employees in Solingen, NRW and 40 employees in Oak Ridge, TN  
Customers: DOE, IAEA, Hospitals & Healthcare, Industry

- First commercial Digital Signal Processor (DSP) based Multi Channel Analyzer (MCA)

for use in handheld instruments micro miniature electronics

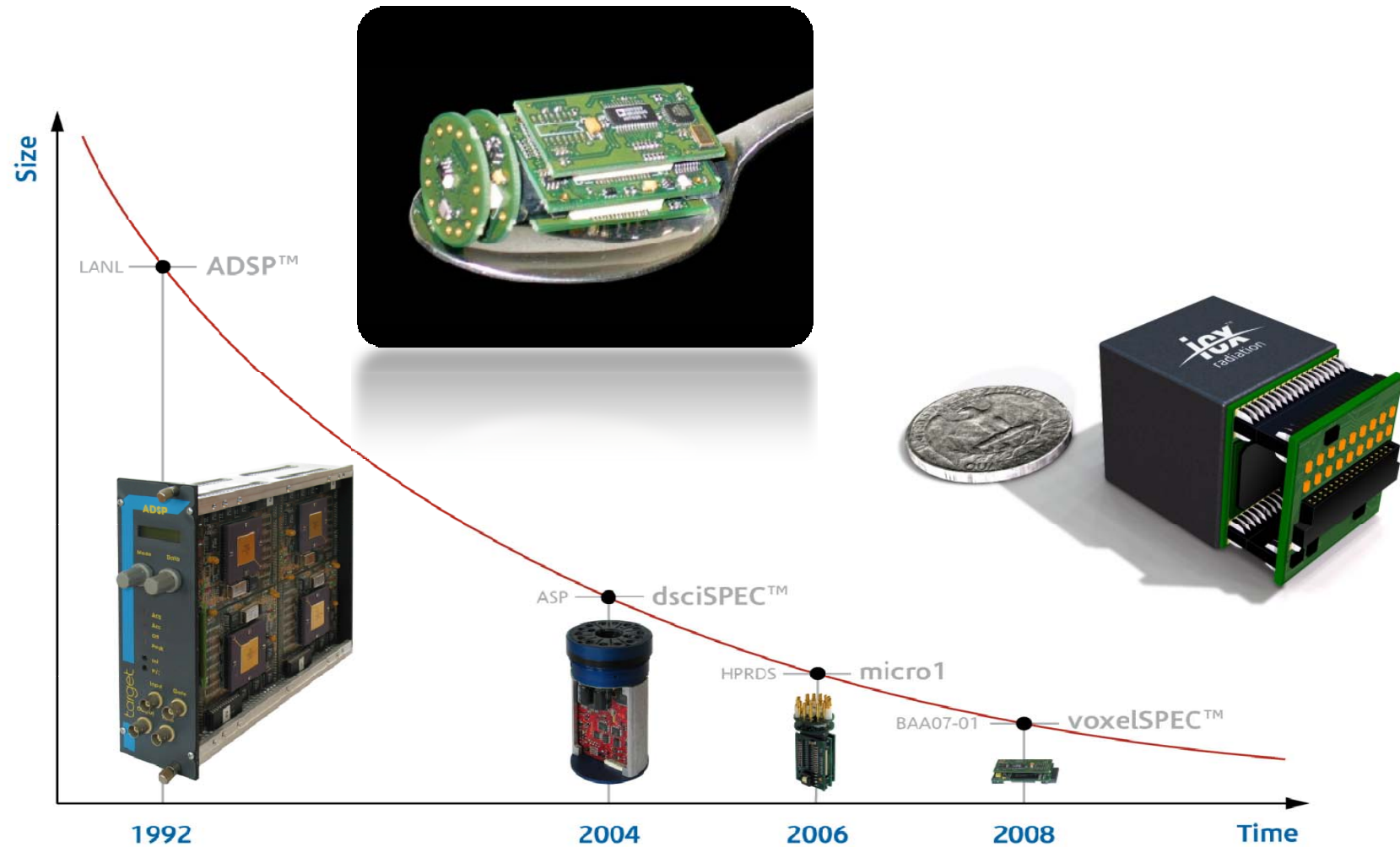
- Patented LED stabilization

provides consistent performance without drift

- Implementation of advanced scintillation and semiconductor detectors

e. g. LaBr<sub>3</sub>, CZT

# Hardware platform



# Products



- Detectorphysics

Acquisition of recent materials and integration into products

- Signal processing & Digital filter theory

Theory about digital nuclear signals and effective recovery of information

- Simulations

Geant4 simulations for rapid prototyping and support of the hardware development

- Nuclide identification

Reliable identification of nuclides is central purpose of all products

Thank you for your attention!

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